GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1618
ANSWERED ON:25.07.2002
DEVELOPMENT OF HYDRO POWER POTENTIAL
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Will the Minister of POWER be pleased to state:

(a) whether India holds 1,50,000 MW hydro power potential against which only 17.50% has so far been developed;

(b) if so, the details thereof; and

(c) the details of States with untapped hydro power potential and the steps being taken to harness this huge additional potential?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER(SHRIMATI JAYAWANTI MEHTA)

(a) & (b) : The country is endowed with an economically exploitable viable hydro potential assessed at 1,48,701 MW in terms of installed capacity. State-wise status of hydroelectric potential development is annexed.

(c) : A substantial part of the hydroelectric potential is located in Himachal Pradesh (18820 MW), Uttaranchal (18175 MW), Jammu & Kashmir (14146 MW) and inNorth Eastern States (58971 MW).Government of India has initiated action to develop about 30000 MW of hydro power in various parts of the country. With the object of executing the feasible hydro power projects in the country, the Central Electricity Authority has brought out a Preliminary Ranking Study of 399 hydro schemes withaggregate installed capacity of about 1,07,000 MW which are yet to be developed. CEA is now in the process of formulating a National Action Plan in consultation with the State Governments to exploit the entire balance potential in the country.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS [a] & [b] OF THE UNSTARRED QUESTION No.1618 TO BE ANSWERED I THE LOK SABHA ON 25.07.2002.

(STATUS AS ON 1.4.2002)

STATUS OF HYDRO ELECTRIC DEVELOPMENT- CONVENTIONAL

Region/ State (As per re-assessment study)	Inst Exist Instld Capacty (MW)	Schemes under construction Capacty (MW)	%	Development (MW)	(%)	Capacity Developed+Under (MW)	(%)	Capacity yet to be developed (MW)	%
NORTHERN									
Jammu & Kashmir	14146	1473	10.4%	390	2.8%	1863.0	13.2%	12283.0	86.8%
Himachal Pra.	18820	3668	19.5%	2311	12.3%	5979.0	31.8%	12841.0	68.2%
Punjab	971	1291	100.0%	168	17.3%	1459.0	100.0%	0.0	0.0%
Haryana	64	48	75.0%	14	21.9%	62.0	96.9%	2.0	3.1%
Rajasthan	496	430	86.7%	0	0.0%	430.0	86.7%	66.0	13.3%
Uttaranchal	18175	1109	6.1%	3134	17.2%	4243.0	23.3%	13932.0	76.7%
Uttar Pradesh	723	501	69.3%	0	0.0%	501.0	69.3%	222.0	30.7%
Sub Total (NR)	53395	8520	16.0%	6017	11.3%	14537.0	27.2%	38858.0	72.8%
WESTERN									

M.P.& Chhattisgarh	4485	934	20.8%	1570	35.0%	2504.0	55.8%	1981.0	44.2%
Gujarat	619	305	49.3%	250	40.4%	555.0	89.7%	64.0	10.3%
Maharashtra	3769	2594	68.8%	0	0.0%	2594.0	68.8%	1175.0	31.2%
Goa	55	0	0.0%	0	0.0%	0.0	0.0%	55.0	100.0%
Sub total (WR)	8928	3833	42.9%	1820	20.4%	5653.0	63.3%	3275.0	36.7%
SOUTHERN									
Andhra Pradesh	4424	2018	45.6%	0	0.0%	2018.0	45.6%	2406.0	54.4%
Karnataka	6602	2909	44.1%	192	2.9%	3101.0	47.0%	3501.0	53.0%
Kerala	3514	1800	51.2%	30	0.9%	1830.0	52.1%	1684.0	47.9%
Tamil Nadu	1918	1580	82.4%	150	7.8%	1730.0	90.2%	0.0	0.0%
Sub Total (SR)	16458	8307	50.5%	372	2.3%	8679.0	52.7%	7779.0	47.3%
EASTERN									
Jharkhand	753	154	20.5%	32	4.2%	186.0	24.7%	567.0	75.3%
Bihar	70	45	64.3%	0	0.0%	45.0	64.3%	25.0	35.7%
Orissa	2999	1838	61.3%	66	2.2%	1904.0	63.5%	1095.0	36.5%
West Bengal	2841	237	8.3%	36	1.3%	273.0	9.6%	2568.0	90.4%
Sikkim	4286	84	2.0%	519	12.1%	603.0	14.1%	3683.0	85.9%
Sub Total (ER)	10949	2358	21.5%	653	6.0%	3011.0	27.5%	7938.0	72.5%
NORTH EASTERN									
Meghalaya	2394	185	7.7%	84	3.5%	269.0	11.2%	2125.0	88.8%
Tripura	15	15	100.0%	0	0.0%	15.0	100.0%	0.0	0.0%
Manipur	1784	105	5.9%	90	5.0%	195.0	10.9%	1589.0	89.1%
Assam	680	250	36.8%	145	21.3%	395.0	58.1%	285.0	41.9%
Nagaland	1574	91	5.8%	8	0.5%	99.0	6.3%	1475.0	93.7%
Arunachal Pd	50328	416	0.8%	0	0.0%	416.0	0.8%	49912.0	99.2%
Mizoram	2196	0	0.0%	60	2.7%	60.0	2.7%	2136.0	97.3%
Sub Total (NER)	58971	1062	1.8%	387	0.7%	1449.0	2.5%	57522.0	97.5%
ALL INDIA	148701	24080	16.2%	9249	6.2%	33329.0	22.4%	115372.0	77.6%

Note - 1

The above table shows the installed capacities of the convential hydro stations in operation only and does not include PSS.

Considering PSS schemes into account the total installed capacity of the state shall be as given below:

Gujarat - 545MW,
Maharashtra - 2768 MW,
Andhra Pradesh - 3168 MW,
Tamil Nadu - 1980 MW,
Jharkhand - 194 MW,

Total All India = 26084 MW

Note - 2

Total installed capacity in A & N islands = 5.25 MW

Note - 3

The above table shows the installed capacities of the convential hydrostations under construction only and does not include PSS.

Considering PSS schemes into account the total installed capacity of the state under construction shall be as given below:

Gujarat-1450 MW, Maharashtra-250 MW, Andhra Pradesh-450 MW, West Bengal-936 MW

Total All India = 12335 MW

Note - 4

The above Table does not include mini/micro and small H.E. Schemes.